

EFFICIENT PROTOCOL PROCESSING TO INCREASE BANDWIDTH IN INTERRUPT MODE

ABSTRACT OF THE DISCLOSURE

A communication system with a communications adapter operating in an interrupt mode, the system comprising: a network system with at least one sender and a recipient of a message and a network for communication therebetween; the communications adapter placing data from the message in a receive buffer and generating an interrupt; and a state variable configured to track received messages. A method for increasing bandwidth in an interrupt mode processing protocol comprising: creating a state variable configured to track received messages; incrementing the state variable only if the received message exhibits multiple packets; decrementing the state variable if the received message exhibits multiple packets and completes; and generating an interrupt, with a communications adapter running in an interrupt mode, the communications adapter placing data from received message in a receive buffer.